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TOP SECRET CHESS

KHABAROVSK PETROLEUM REFINERY,
"ORDZHONIKIDZE" 419, USSR

Khabarovsk Petroleum Refinery, one of the two major refineries* in the Soviet Far East, is located on the northwest outskirts of Khabarovsk. The refinery proper occupies an area of approximately 185 acres. Buildings and equipment occupy approximately 50-60% of this area. Collateral reports indicate that the refinery receives the major portion of its crude oil supply from the Sakhalin Island oilfields via pipeline to Komsomolsk, thence by river tankers to Khabarovsk. Additional crude oil is also supplied by rail tank cars from the Ural-Volga area.

25X1A

Approximately 87 storage tanks ranging in diameter from 10 to 114 feet are located within the refinery area. The total storage capacity of these tanks is estimated to be approximately 1,401,500 barrels. Khabarovsk Petroleum Storage [REDACTED], located just southwest of the refinery, contains approximately 25 vertical and 5 horizontal tanks with an estimated capacity of 105,025 barrels. This storage area is connected by pipeline to the refinery and the petroleum pier.

An asphalt plant is located in the north part of the refinery area while the primary and secondary distillation units are located in the southern part of the refinery. Although heavy shadows and the scale of photography preclude an exact determination of distillation processes and equipment, the major identifiable components of this refinery are shown on the accompanying photograph and line drawing and described in the key to annotations.

*The other major petroleum refinery is located at Komsomolsk and reported in CIA PIC/R-4/59 dated June 59.



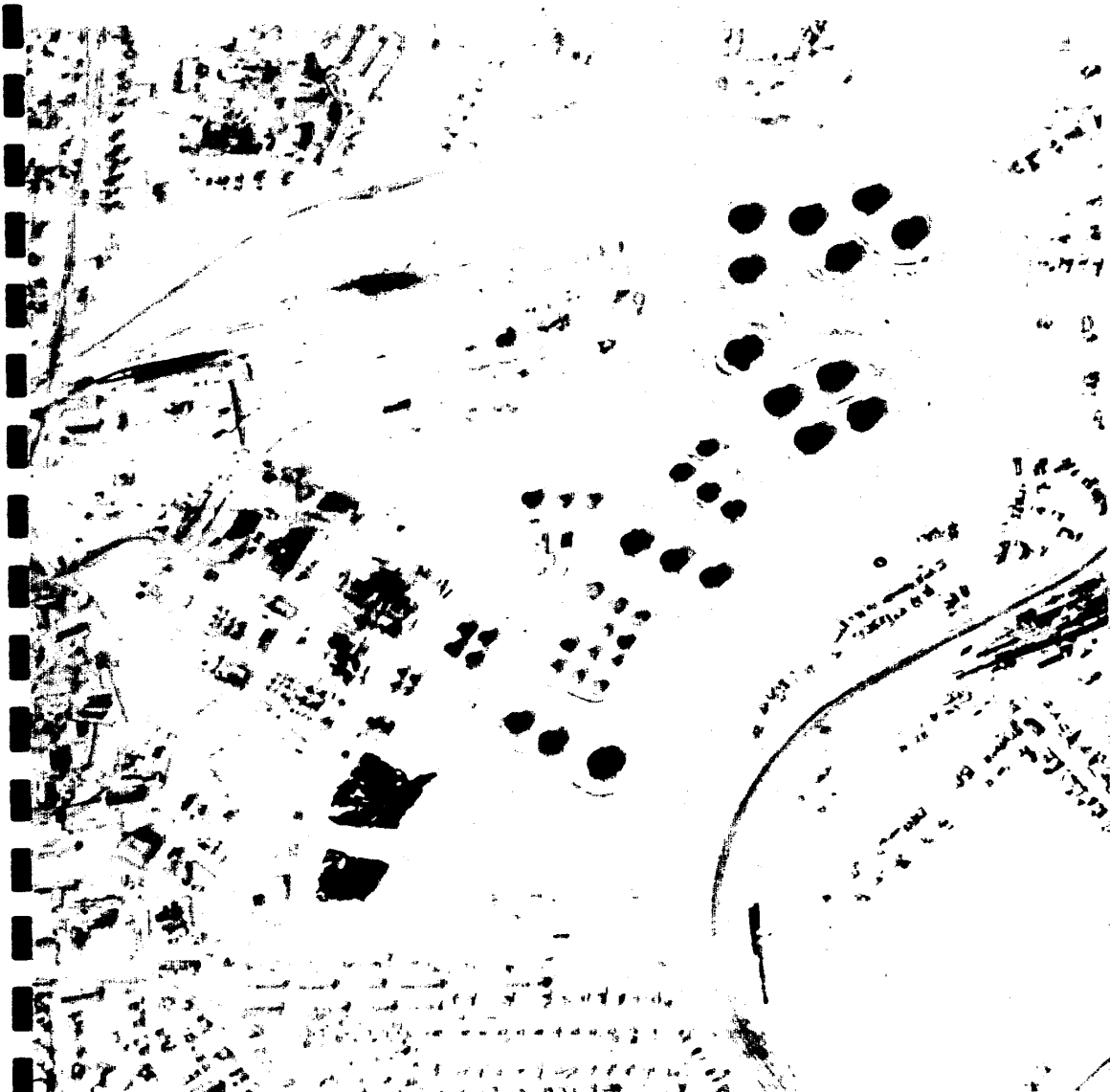
FIGURE 1. KHABAROVSK PETROLEUM REFINERY,

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'ORDZHONIKIDZE' 419. Oblique photo, [REDACTED]

25X1D

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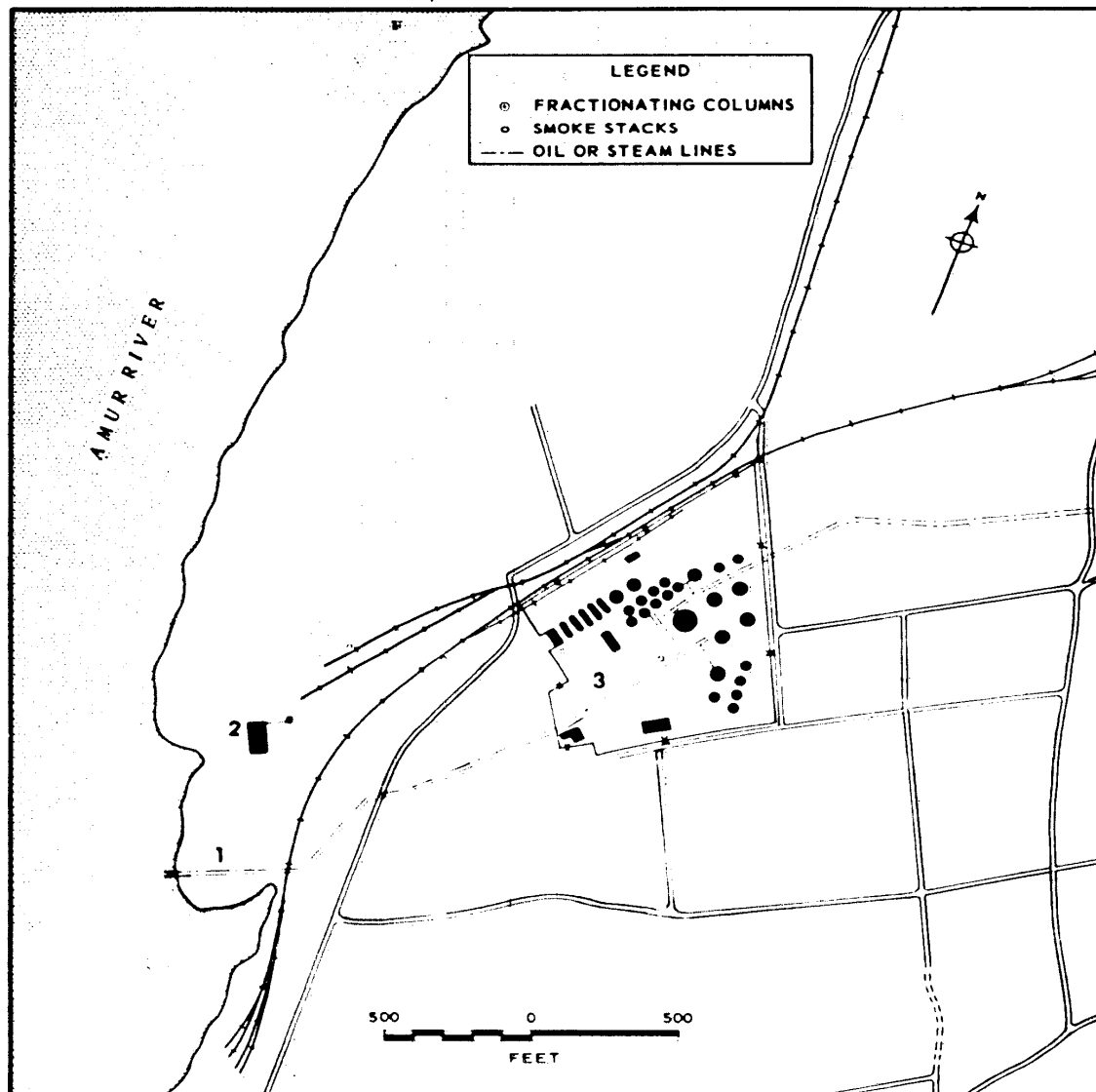


FIGURE 2. Khabarovsk Petroleum Refinery, 'Ordzhonikidze' 419.

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KEY TO ANNOTATIONS

25X1A

1. Petroleum pier with probable double pipeline.
2. Khabarovsk Thermal Power Plant, Central, [REDACTED] 25X1A
3. Khabarovsk Petroleum Storage, [REDACTED]. Twenty-five vertical and 5 horizontal tanks: 4 tanks, each 55' diameter, 25' high; one tank 70' diameter, 20' high; one tank 45' diameter, 30' high; 4 tanks, each 35' diameter, 30' high; 15 tanks, each 20' diameter, 20' high; 5 horizontal tanks, each 10' diameter, 30' long. A probable office building, pumping station, boiler house and warehouse are also in the fenced area.
4. Administration building, L-shaped, 80' x 35', with wing 100' x 40'.
5. Three warehouses, 70' x 35', 80' x 35' and 30' x 20'.
6. Tank car unloading station, five tracks wide and approximately 500' long.
7. Coal storage area.
8. Asphalt storage and shipment shed, 400' x 70', rail-served.
9. Asphalt plant: pipe furnace, 80' x 60'; solidifying shed, 90' x 40'; drying bed, 60' x 60'; 6-8 tanks, 20'-25' diameter and 10'-15' high.
10. Four tanks: two 20' diameter, approximately 25' high; and two 30' diameter, approximately 40' high.
11. Probable primary distillation unit and associated buildings include two crude oil tanks, one 60' diameter, 50' high, and one 50' diameter, 30' high; pipe furnace, 65' x 40'; 3 fractionating columns approximately 15' diameter and 30'-40' high; possible compressor and boiler house 210' x 70'; machine shop building, T-shaped, with wings 170' x 55' and 130' x 30'.
12. Two probable combination atmospheric and vacuum distillation units, including pipe stills measuring 45' x 30' and 35' x 30'; four fractionating columns, 55'-65' high; and a control house, 60' x 35'.
13. Possible modified version of a Winkler-Koch distillation unit, two pipe stills 30' x 25' and probably two fractionating columns. Also present are 22 run-down tanks: sixteen 10'-15' diameter, 20'-25' high; two 25' diameter, 15' high; two 35' diameter, 30' high; and two 45' diameter, 20' high. Six crude oil storage tanks, each 30' diameter, 30' high are located in the area.
14. Sixteen run-down tanks: fourteen 15' diameter, 15' high; and two 25' diameter, 15' high. Four U/I buildings, one possible transformer house 50' x 40', and one possible laboratory 125' x 55' are located nearby.

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KEY TO ANNOTATIONS (CONT'D)

15. Two crude oil open storage ponds, 300' x 300' and 310' x 300'.
16. Eighteen oil and gasoline storage tanks: seven spherical tanks, each 55' diameter, 35' high; 10 oil products tanks, of which two are 85' diameter, 40' high; three are 60' diameter, 25' high; four are 55' diameter, 35' high; and one is 70' diameter, 25' high; and one crude tank, 114' diameter, 35' high.
17. Possible mess hall and living quarters, 180' x 45' and 80' x 40'. Nearby is a pumping station, 65' x 35'.
18. Three gasoline or oil product storage tanks: one 70' diameter, 30'-35' high; and two spherical tanks, 55' diameter, 30'-35' high.
19. Seven gasoline or oil product storage tanks: three 85' diameter, 40'-45' high and four 70' diameter, 25'-30' high.
20. Eleven crude oil storage tanks, each [REDACTED] diameter, 35' high.

25X1D

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REQUIREMENT: Prepared in answer to requirement RR/E/R75/58
requesting a detailed description of the Khabarovsk Petroleum Refinery,
25X1D "Ordzhonikidze" 419, USSR.



MAP DATA:

ATMP, 0204-9999-1-25A 3rd Ed. Mar 1956

ATMP, 0204-9999-4-25A 3rd Ed. Mar 1956

SOURCE REFERENCE:

CIA. CIA/RR145, The Supply of Petroleum in the Soviet Far East,
29 Aug 1958

COORDINATES:

48° 30' N/ 135° 03' E

B.E. NUMBERS:

25X1A

Khabarovsk Petroleum Refinery, "Ordzhonikidze" 419,
Khabarovsk Petroleum Storage, Southwest of Refinery,

